



HENKEL CONSUMER ADHESIVES
50 WEST DRIVE
BRAMPTON, ONTARIO CANADA L6T 2J4
(905) 459-1140

PRODUCT : PL 400 SUB-FLOOR & DECKING ADHESIVE



SECTION 01: PRODUCT INFORMATION

MANUFACTURER.....HENKEL CONSUMER ADHESIVES
50 WEST DRIVE
BRAMPTON, ONTARIO
CANADA ; L6T 2J4
(905) 459-1140
AFTER HOURS - CANUTEC (613) 996-6666

WHMIS CLASSIFICATION.....B4. D2A. D2B. WHEN THIS PRODUCT IS LABELLED AS A CONSUMER PRODUCT IT IS
EXEMPT FROM WHMIS REGULATIONS. (SEE SECTION 12 (F) OF THE HAZARDOUS
PRODUCTS ACT).

T.D.G. CLASSIFICATION.....SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (PETROLEUM DISTILLATES). CLASS
4.1, UN 3175, PKG GP II. WHEN THIS PRODUCT IS LABELLED AS A CONSUMER
COMMODITY IT IS EXEMPT FROM T.D.G. REGULATIONS.

PRODUCT NAME.....PL 400 SUB-FLOOR & DECKING ADHESIVE
CHEMICAL FAMILY.....MIXTURE
MATERIAL USE.....ADHESIVE

SECTION 02: HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	EXPOSURE LEVELS	C.A.S. #	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES
Toluene	10-30	TLV-TWA:188mg/m3 PEL-TWA:375mg/m3	108-88-3	2.6-7.5g/kg,oral,rat 14.1ml/kg,skin,rbt	8800 ppm,4hr,rat
Solvent naptha (petroleum), light aliphatic	1-5	TLV: 300ppm 8hrTWA PEL: 500ppm 8hrTWA	64742-89-8	>5g/kg,oral,rat >3.16g/kg,skin, rabbit	Not available
Crystalline silica	0.1-1.0	0.1 mg/m3 (dust)	14808-60-7	Not available	Not available

SECTION 03: PHYSICAL DATA

PHYSICAL STATE.....Paste
APPEARANCE & ODOUR.....Tan paste. Smooth semi-paste with solvent odor
ODOUR THRESHOLD (ppm).....No data available
VAPOUR PRESSURE (mm Hg).....> 100 mm Hg @ 25 deg C
VAPOUR DENSITY (AIR=1).....Heavier than air
VOLATILES %
BY VOLUME.....32 %
BY WEIGHT
EVAPORATION RATE.....Slower than n-butyl acetate
BOILING POINT.....Not available
FREEZING POINT.....Not available
pH.....Not applicable
SPECIFIC GRAVITY.....1.18
SOLUBILITY IN WATER (% W/W).....Negligible (< 0.1 %)
COEFFICIENT OF WATER/OIL.....Not applicable
DISTRIBUTION

SECTION 04: FIRE & EXPLOSION DATA

FLAMMABILITY.....Yes
IF YES, UNDER WHICH.....Excessive heat, sparks and open flame
CONDITIONS?
EXTINGUISHING MEDIA.....Water fog. Foam. Carbon dioxide. Dry chemical
SPECIAL PROCEDURES.....Fire fighters should be equipped with self-contained breathing apparatus
to protect against potentially toxic and irritating fumes. Water spray may
be used to keep containers cool. Water stream directed into fire may cause
frothing with subsequent spread of fire. Vapours are heavier than air and
may travel along the ground, collect in low areas, or may ignite at
distant locations. Do not weld on or near container, even when empty.

FLASH POINT (C), METHOD.....1.5 deg C, CC
AUTO IGNITION TEMPERATURE.....Not available
UPPER FLAMMABLE LIMIT (% VOL).....Not available
LOWER FLAMMABLE LIMIT (% VOL).....Not available

PRODUCT : PL 400 SUB-FLOOR & DECKING ADHESIVE**SECTION 04: FIRE & EXPLOSION DATA**

HAZARDOUS COMBUSTION PRODUCTS....Irritating and/or toxic gases or fumes may be generated by thermal decomposition or combustion. Closed containers may rupture or explode (due to pressure build-up) when exposed to extreme heat. Strong oxidizers. Empty containers may contain explosive vapors or dangerous residues.

EXPLOSION DATA

SENSITIVITY TO STATIC.....Avoid sparks or other sources of static electricity.

DISCHARGE

SENSITIVITY TO IMPACT.....Not applicable

RATE OF BURNING.....Not applicable

EXPLOSIVE POWER.....Not applicable

SECTION 05: REACTIVITY DATA**CHEMICAL STABILITY:**

YES.....Stable under normal temperature and pressure.

NO, WHICH CONDITIONS ?.....Heating may cause pressure build-up and possible rupture of the container.

COMPATIBILITY WITH OTHER**SUBSTANCES:**

YES

NO, WHICH ONES?.....Strong acids. Strong bases or oxidants.

REACTIVITY CONDITIONS ?.....Product is stable; hazardous polymerization will not occur.

HAZARDOUS PRODUCTS OF.....Acrid fumes. Oxides of carbon (CO,CO2)

DECOMPOSITION**SECTION 06: TOXICOLOGICAL PROPERTIES****ROUTE OF ENTRY:**

SKIN CONTACT.....May cause irritation, especially on prolonged contact. May cause dermatitis and allergic responses.

SKIN ABSORPTION.....No data

EYE CONTACT.....May cause mild to moderate irritation. May cause tearing, reddening of the eyes and reversible corneal injury.

INHALATION, ACUTE :.....May cause irritation of respiratory tract. Intoxicant. Inhalation of product can produce central nervous system depression, and cause headaches, drowsiness and lack of coordination.

INGESTION.....May cause irritation/burns of mouth, throat and stomach. Symptoms include nausea, abdominal pain and possible collapse.

EFFECTS OF ACUTE EXPOSURE.....Skin, eye, and respiratory tract irritation. Nausea and vomiting if ingested.

EFFECTS OF CHRONIC EXPOSURE.....Deliberate and repeated inhalation of concentrated solvent vapors may cause permanent neurological damage. Preexisting pulmonary and dermatological disorders may be aggravated by exposure to hazardous components. This product contains crystalline silica. Prolonged exposure to respirable crystalline quartz may cause delayed (chronic) lung injury (silicosis).

LD 50 OF MATERIAL, SPECIES &.....Refer to hazardous ingredients section.

ROUTE

LC 50 OF MATERIAL, SPECIES &.....Refer to hazardous ingredients section.

ROUTE

EXPOSURE LIMIT OF MATERIAL.....See hazardous ingredients section (2)

IRRITANCY OF MATERIAL.....Moderate

SENSITIZING CAPABILITY OF.....None known

MATERIAL

CARCINOGENICITY OF MATERIAL.....Crystalline silica is an IARC-listed known lung carcinogen. The crystalline silica contained in this product will not typically become airborne during normal conditions of use.

REPRODUCTIVE EFFECTS.....None known

MUTAGENICITY OF MATERIAL.....None known

TERATOGENICITY OF MATERIAL.....None known

SYNERGISTIC MATERIALS.....None known

SECTION 07: PREVENTATIVE MEASURES**PROTECTIVE EQUIPMENT**

GLOVES/ TYPE.....Wear impervious gloves (in neoprene or rubber).

RESPIRATORY/TYPE.....If the TLV is exceeded, or if used in a poorly ventilated space or area with limited ventilation, use an approved respirator in accordance with applicable safety regulations. Use approved respirator for dusts and mists when sanding, grinding or machining cured compound.

EYE/TYPE.....Wear chemical safety goggles.

FOOTWEAR/TYPE.....Work shoes

CLOTHING/TYPE.....Wear adequate protective clothes.

OTHER/TYPE.....Eye bath and safety shower.

ENGINEERING CONTROLS.....Local exhaust as needed to control vapor/dust levels to below recommended limits.

PRODUCT : PL 400 SUB-FLOOR & DECKING ADHESIVE**SECTION 07: PREVENTATIVE MEASURES**

LEAK/SPILL.....Ventilate. Eliminate all sources of ignition. Wear adequate protective clothing and equipment. Shut off source of leak if safe to do so. Contain the spill. Sweep or shovel into containers with lids. Absorb residual material with sand, or other absorbent material. Cover loosely and remove to appropriate well ventilated area until disposal. Wash spill area with soap and water. Prevent washings from entering waterways.

WASTE DISPOSAL.....In accordance with municipal, provincial and federal regulations. Since emptied container retains product residues all labelled hazard precautions must be observed.

HANDLING PROCEDURES AND EQUIPMENT.....TREAT AS FLAMMABLE MATERIAL; KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. Do not take internally. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Avoid breathing vapor/dust/mist. Use with adequate ventilation and employ respiratory protection where spray or mist may be generated. Tightly reseal all partially used containers. Wash thoroughly after handling.

STORAGE NEEDS.....Store away from all sources of heat and ignition. Store empty containers away from heat and flame. KEEP AWAY FROM CHILDREN.

SPECIAL SHIPPING INSTRUCTIONS....Ship in accordance with applicable Transportation of Dangerous Goods (TDG) Regulations.

SECTION 08: FIRST AID MEASURES

SKIN CONTACT.....Remove contaminated clothing. Wash affected area with water and soap. Seek medical attention if irritation occurs or persists.

EYE CONTACT.....Immediately flush with water for a minimum of 15 minutes holding lids apart to ensure flushing of entire surface. Washing within 1 minute is essential to achieve maximum effectiveness. Obtain immediate medical attention.

INHALATION.....Remove victim to fresh air. If not breathing qualified personnel should administer artificial respiration. Get medical attention.

INGESTION.....Do not induce vomiting. Give water or milk if victim is conscious and not drowsy. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into the lungs. Obtain immediate medical attention.

SECTION 09: PREPARATION INFORMATION

PREPARED BY.....Regulatory Affairs

TELEPHONE NUMBER.....(905) 459-1140

DISCLAIMER2.....All information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, express or implied, is made by Henkel Consumer Adhesives as to the effects of such use, the results obtained, or the safety and toxicity of the product nor does Henkel Consumer Adhesives assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

PREPARATION DATE.....FEB 19/2004

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